



554221

(43) International Publication Date  
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number  
**WO 2004/094279 A1**

(51) International Patent Classification<sup>7</sup>: **B65G 47/34**

(74) Agent: **PATRADE A/S**; Fredens Torv 3A, DK-8000 Aarhus C (DK).

(21) International Application Number:  
PCT/DK2004/000286

(22) International Filing Date: 26 April 2004 (26.04.2004)

(25) Filing Language: Danish

(26) Publication Language: English

(30) Priority Data:  
PA 2003 00614 24 April 2003 (24.04.2003) DK

(71) Applicant (for all designated States except US): **LINCO FOOD SYSTEMS A/S** [DK/DK]; Vestermøllevvej 9, DK-8380 Trige (DK).

(72) Inventor; and

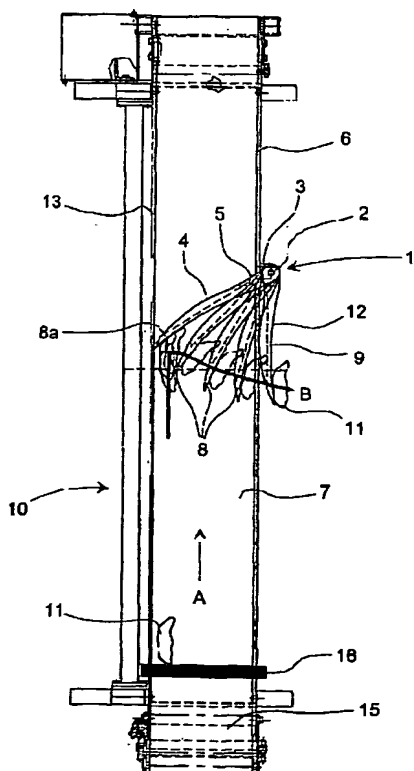
(75) Inventor/Applicant (for US only): **BANG, Michael** [DK/DK]; Kærmindevej 4, DK-8680 Ry (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: APPARATUS FOR A SORTING SYSTEM AND METHOD FOR SORTING



(57) Abstract: The present invention relates to an apparatus (1) for a sorting System comprising an activating member (2), a fastening bracket (3), and a discharge arm (4) which at an end part (5) is pivotally connected with the fastening bracket (3) at a side (6) of a conveyor (7), where said discharge arm (4) by means of said activating member (2) is adapted for being swung between a passive position (9) approximately parallel to said side (6) of the conveyor (7) and a number of active angular positions (8) in relation to the conveying direction (A) of the conveyor (7), where the activating member (2) is constituted by an electrically driven stepping motor or servomotor having a control unit being adapted for determining a pattern of motion and/or speed profile of the discharge arm (4).

WO 2004/094279 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*